

Most recent forecast for Cariboo**Valid as of 11am Sunday July 11 2021**

SYNOPSIS: A building upper ridge over western B.C. will expand to cover all of the Cariboo fire centre today and then persist into the middle of next week. This will stabilize all areas and end the threat of daytime convection for most areas well into next week. However the model continues to show a convective risk for the southern part of the Coast Range for late Monday. Currently only a 10% chance. Will be monitored. Daytime highs will be in the 25C to 29C range for today and then into the low 30's C for Monday. There is still a little wind gradient but the general trend will be for lighter winds as the ridge builds. Smoke from the various fires will continue to be a problem at times especially early in the days. As the ridge builds there will be some warming aloft which will likely keep conditions on the hazy and smoky side. Overnight recoveries will be on the decline over the next few days especially at the higher levels.

OUTLOOK: Tuesday to Thursday: For Tuesday the upper ridge is expected to continue over the fire centre. Temperatures will continue to trend upwards. Only fair to poor overnight recoveries expected for the higher elevations. Models continue to hint at some convective potential but I suspect the air mass will be too dry and stable at the lower levels. Any activity would be very isolated. Winds look to be light with some late day gustiness due to uneven heating. Similar conditions for Wednesday but I do notice that the gradient between the coast and a weak thermal trough over interior B.C. could promote some late afternoon gusty winds in the western Chilcotin. Other than that just some minor late afternoon gustiness due to uneven heat distribution. By Thursday the ridge weakens and moves eastwards towards Alberta. This will promote height falls across the fire centre and some cooling. Gusty west winds will spread eastwards across the fire centre. The height falls will promote some instability aloft and we will need to watch for some isolated late day convection. Some scattered to isolated convective shower activity but only spotty.

CONFIDENCE/DISCUSSION: Confidence that a moderate strength upper ridge will build over the fire centre for the next several days. Temperatures will warm into the low to mid 30's C by Tuesday. Min rh's will lower into the teens for Monday and Tuesday. An increasing chance of poor overnight recoveries for the nights ahead. A minor concern for an isolated thunderstorm in the Coast Range vicinity Middle and southeastward down the Coast Range. Only a 10 % chance. This potential will be monitored.

WINDS ALOFT PUNTZI
2000m - SW 5-10 km/h
3000m - SW 20-25 km/h

6 TO 10 DAY OUTLOOK: FRIDAY TO TUESDAY of next week: The longer range outlook shows cooling and a trend to unstable weather once again. Having said that and even though there looks to be some weak troughs moving through at times the models do not currently look at any substantial systems to give that good rain that we need. Today's models show lower heights and a general westerly flow aloft but the centres of low pressure now seem to stay to our west and to the north. Suffice to say at this early point the strong ridge disappears which will allow temperatures to cool back closer to seasonal normal. Likely some scattered instability showers and some thunderstorm potential but too early to be sure.

ZONE FORECASTS:**WEST OF FRASER**

TODAY: Sunny with cloudy periods. Local smoke near fires. Winds west to southwest 10 km/h with chance of some late afternoon gustiness over the western Chilcotin. MAX TEMP 24 to 28 C. MIN RH upper teens to 28%.

TONIGHT: Partly cloudy. Winds light overnight. Downslope winds to 10 km/h at the higher levels. MIN TEMP 8 to 15 C. Max rh 40 to 70%.

TOMORROW: Mainly sunny. Local areas of smoke. Patchy convective cloud for the southwest areas near the Coast Range. Risk of a late day thunderstorm those areas. Winds east to northeast 10 to 15 km/h for the late afternoon. Winds west to southwest 10 to 15 km/h with gusts to 20 km/h for the west Chilcotin in the late afternoon. MAX TEMP 28-32 C. MIN RH 15 to 25%.

CHANCE OF LIGHTNING/DRY LIGHTNING

Today: 0/0% Tonight 0%/0% Tomorrow: 10%/10%

Venting: Good due to daytime heating

EAST OF FRASER:

TODAY: Sunny with cloudy periods except a mix of sun and cloud closer to the Cariboo mountains this afternoon. Areas of smoke. Winds west to northwest 10 to 15 km/h. Some morning gusts to 20 km/h over southeastern sections. MAX TEMP 24 to 29 C. MIN RH 20 to 30%.

TONIGHT: A few clouds. Winds north to northeast 10 km/h. MIN TEMP near 14 C. MAX RH 45-70%.

TOMORROW: Sunny with cloudy periods. Areas of smoke. Wind north to northeast 10 to 15 km/h for the late afternoon. MAX TEMP near 28-32 C. Min rh 16 to 25%.

CHANCE OF LIGHTNING/DRY LIGHTNING: Today 10%/10% Tonight 0%/0% Tomorrow 0%/0%

Venting: Good during the afternoons due to daytime heating.

Qualifier	Strike Density Per 100KM x 100KM	Probability of Lightning	Probability of Intense Lightning
Isolated (ISOL)	1 - 5	< 40	Near 0
Scattered (SCT)	6 - 15	40 - 80	0 - 40
Frequent (FREQ)	15 - 30	60 - 100	40 - 80
Severe (SEV)	> 30	100	100

Only the qualifier will be used in the forecast.

Each describes the conditions listed to the right of it in the table

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